

MAJOR GUIDED MISSILE RESEARCH PROGRAMS OF
AFCIN-3B

USA

Vulnerability of USA Missiles to Nuclear Detonations

AFCIN-3B Projects PV 58-5 and PV 58-46 (Secret)

Description: Studies on the Vulnerability of the Atlas, Thor, Mace missiles from which the findings can be related to USSR missiles of a similar type.

Status: Atlas and Thor published, Mace to be published.

USA

Study of Vulnerability of USA Missiles Systems and Ground Supporting Equipment

Armour Research Foundation Contract AF33(600)-34811 Secret

Description: The study of representative missile systems related to the vulnerability from nuclear detonations. The results will be used to determine the vulnerability to USSR missile systems.

Status: Draft copy of Nike, Atlas, Thor prepared; work on Mace, Corporal, Jupiter, and Redstone in progress.

USSR

Collection of Information on USSR Missiles Systems and Support Equipment

AFCIN-3B2 Project No. N/A

Description: Collection of intelligence information to determine vulnerability of USSR Missiles Systems.

Status: Continuous.

USAF Declass/Release Instructions On File

Encl 3

MAJOR GUIDED MISSILE RESEARCH PROGRAMS OF AFCIN-3C

A group of projects is underway designed to improve the US capability to employ missiles against targets in the Sino-Soviet Bloc. These projects include analysis of the effects of gravity anomalies on the guidance systems of various types; evaluation of geomagnetic data which might be used for guidance; the improvement of geodetic positions of targets and the specification of the positions of missile launch sites and targets in terms of a World Geodetic System. The Missile Target Data Sheet (MTDS) and the Missile Launch Site Data Sheet (MLSDS) are currently being produced. To support these efforts, the capabilities of the following organizations are being utilized: Aeronautical Chart and Information Center (ACIC), Air Force Cambridge Research Center (AFCRC), the Mapping and Charting Research Laboratory, Ohio State University (MCRL), Air Photographic and Charting Service, US Coast and Geodetic Survey, Georgetown College Observatory, and others. The goal of these projects is to reduce to a maximum of 1,000 feet the geophysical contribution to the CEP of present operational missiles.

DATE <u>14 Dec 58</u>	
<u>ROUTING SLIPS</u>	
COL. McFARLAND	_____
MR. SOMERS	_____
MR. MARSHALL	_____
MR. LEONARD	_____
PHOEBE	_____
MARTHA	_____
BEVERLY	_____
Comments:	<i>Phoebe - how</i>
	<i>many of these do we</i>
File:	<i>have back?</i>